

### PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Osmo Anttalainen

Attorney Docket No.: 2624.07US01

Application No.:

10/509,198

Confirmation No.: 7344

Filed:

September 24, 2004

For:

A CELL STRUCTURE, DEVICE AND METHOD FOR GAS ANALYSIS

## **SUBMISSION OF DOCUMENTS**

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Enclosed for filing in the above-identified application are the following documents:

- 1. Transmittal Letter to the United States Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371;
- 2. Copy of Notice of Missing Requirements;
- 3. Combined Declaration and Power of Attorney;
- 4. Information Disclosure Statement, PTO Form 1449, copies of two search reports and copies of 7 cited references;
  - 5. Check in the amount of \$65.00; and
  - 6. Return receipt postcard.

The Commissioner is authorized to charge to Deposit Account No. 16-0631 any underpayments, overpayments or additionally required fees.

Respectfully submitted,

Douglas J. Christensen Registration No. 35,480

Customer No. 24113
Patterson, Thuente, Skaar & Christensen, P.A. 4800 IDS Center, 80 South 8th Street
Minneapolis, Minnesota 55402-2100

Telephone: (612) 349-3001

Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

CERTIFICATE OF EXPRESS MAIL

Express Mail Label No.: <u>EV616920688US</u>

Date of Deposit: <u>29 June 2005</u>

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.

Doris Whitcomb

Name of Person Making Deposit

Signature

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER

DESIGNATED/ELECTE	D OFFICE (DO/FO/US)	2624.07US01
CONCERNING A SUBMISS		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/509,198
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/FI03/00226 TITLE OF INVENTION	25 March 2003	25 March 2002
A CELL STRUCTURE, DEVICE AND ME	THOD FOR GAS ANALYSIS	
APPLICANT(S) FOR DO/EO/US		
Osmo ANTTALAINEN		
Applicant herewith submits to the United	States Designated/Elected Office (DO/E	O/US) the following items and other information:
This is a FIRST submission of items	concerning a submission under 35 U.S.C. 37	1.
2. This is a SECOND or SUBSEQUEN	T submission of items concerning a submission	on under 35 U.S.C. 371.
3. This is an express request to begin n (5), (6), (9) and (21) indicated below	national examination procedures (35 U.S.C. 3 /.	71(f)). The submission must include items
4. The US has been elected (Article 31	).	
5. A copy of the International Applica	tion as filed (35 U.S.C. 371(c)(2))	
a is attached hereto (requi	red only if not communicated by the Internation	onal Bureau).
b. has been communicated	by the International Bureau.	
c. is not required, as the ap	plication was filed in the United States Received	ving Office (RO/US).
6. An English language translation of	the International Application as filed (35 U.S.	C. 371(c)(2)).
a. is attached hereto.		
b.  has been previously sub	mitted under 35 U.S.C. 154(d)(4).	
7. Amendments to the claims of the I	nternational Application under PCT Article 19	(35 U.S.C. 371(c)(3))
a. are attached hereto (red	quired only if not communicated by the Interna	ational Bureau).
b. have been communicat	ed by the International Bureau.	
c. have not been made; he	owever, the time limit for making such amend	ments has NOT expired.
d. Land have not been made an	nd will not be made.	
8 An English language translation o	f the amendments to the claims under PCT A	rticle 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inven	tor(s) (35 U.S.C. 371(c)(4)).	
10. An English language translation of Article 36 (35 U.S.C. 371(c)(5)).	the annexes of the International Preliminary	Examination Report under PCT
Items 11 to 20 below concern documen	t(s) or information included:	
11. An Information Disclosure Stateme	ent under 37 CFR 1.97 and 1.98.	
12. An assignment document for recor	ding. A separate cover sheet in compliance w	vith 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.		
14. An Application Data Sheet under 3	87 CFR 1.76.	
15. A substitute specification.		
16. A power of attorney and/or change	of address letter.	
17. A computer-readable form of the s	equence listing in accordance with PCT Rule	13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published Int	emational Application under 35 U.S.C. 154(d	)(4).
	uage translation of the international application	
20. Other items or information: United S	of two Search Reports; Copy of Notification o States Designated/Elected Office; Return Pos	f Missing Requirements Under 35 U.S.C. 35 371 in the steard.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 2

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<del>_</del> _			U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
<del>_</del> _	10/509,198 PCT/FI03/00226		2624.07US01			
21. Basic natio	The following fees have been submitted		CALCULATIONS	PTO USE ONLY		
	nal fee			\$300	\$	
22. Examination fee  If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)				s		
International Se International Search Re	145(a)(2)) ha arching Auth aport prepare	horityed and provided to	e international application to	\$100 \$400	\$	
TOTA	L OF 21, 22	and 23 =			\$	
sequence listing or	r computer p	program listing file	I in paper over 100 sheets (e d in an electronic medium). paper or fraction thereof.	xcluding		
Total Sheets Extr	ra Sheets		additional 50 or fraction p to a whole number)	RATE		
- 100 =	/50 =	_		x \$250	\$	
Surcharge of \$130.00 for claimed priority date (37)	or furnishing 7 CFR 1.492	the oath or decla (h)).	ration later than 30 months f	rom the earliest	\$ 130.00	
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
Total claims		- 20 =		x \$ 50	\$	
Independent claims		- 3 =		x \$200	\$	
MULTIPLE DEPENDEN	T CLAIM(S	) (if applicable)		+ \$360	\$	
			TOTAL OF ABOVE	CALCULATIONS =	\$ 130.00	
Applicant claims sn	nall entity st	atus. See 37 CFR	1.27. Fees above are reduc	ced by 1/2.		
				SUBTOTAL =	\$ 65.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$			
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# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Viginia 22313-1450

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/509 198	Osmo Anttalainen	2624.07US01

INTERNATIONAL APPLICATION NO.

PCT/FI03/00226

Douglas J Christensen Patterson Thuente, Skaar & Christensen 4800 IDS Center 80 South 8th Street Minneapolis, MN 55402

RECEIVED DOCKETING

MAY 0 6 2005

PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A.

I.A. FILING DATE PRIORITY DATE 03/25/2003 03/25/2002

**CONFIRMATION NO. 7344 371 FORMALITIES LETTER** \*OC000000015895354\*

Date Mailed: 05/03/2005

# NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

Indication of Small Entity Status

Copy of the International Application filed on 09/24/2004

• Copy of the International Search Report filed on 09/24/2004 Per 1 month extension.

Copy of IPE Report filed on 09/24/2004

Preliminary Amendments filed on 09/24/2004

U.S. Basic National Fees filed on 09/24/2004

Priority Documents filed on 09/24/2004

Missing Requirements due

Per 2 month extension Per 3 month extension.

Per 4 month extension.

Per 5th & final extension

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$65 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

\$65 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER, FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

## FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/509,198	PCT/FI03/00226	2624.07US01

FORM PCT/DO/EO/905 (371 Formalities Notice)